

SEQUENCE LISTING

<110> Lex M. Cowsert
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 Susan M. Freier
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 Madeline M. Butler
 Robert McKay

<120> ANTISENSE MODULATION OF PTP1B EXPRESSION

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<150> US 09/629,644

<151> 2000-07-31

<150> US 09/487,368

<151> 2000-01-18

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atg gaa atg gag aag gaa ttc gag cag atc gat aag gct ggg aac tgg 167

Met Glu Met Glu Lys Glu Phe Glu Gln Ile Asp Lys Ala Gly Asn Trp

1

5

10

15

gcg gct att tac cag gat att cga cat gaa gcc agt gac ttc cca tgc 215

Ala Ala Ile Tyr Gln Asp Ile Arg His Glu Ala Ser Asp Phe Pro Cys

20

25

30

aga ata gcg aaa ctt cct aag aac aaa aac cgg aac agg tac cga gat 263

Arg Ile Ala Lys Leu Pro Lys Asn Lys Asn Arg Asn Arg Tyr Arg Asp

35

40

45

gtc agc cct ttt gac cac agt cgg att aaa ttg cat cag gaa gat aat 311

Val Ser Pro Phe Asp His Ser Arg Ile Lys Leu His Gln Glu Asp Asn

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60

gac tat atc aat gcc agc ttg ata aaa atg gag gaa gcc cag agg agc 359

Asp Tyr Ile Asn Ala Ser Leu Ile Lys Met Glu Glu Ala Gln Arg Ser

65

70

75

80

tat atc ctc acc cag ggc cct tta cca aac acg tgc ggg cac ttc tgg	407
Tyr Ile Leu Thr Gln Gly Pro Leu Pro Asn Thr Cys Gly His Phe Trp	
85 90 95	
gag atg gtg tgg gag cag aag agc agg ggc gtg gtc atg ctc aac cgc	455
Glu Met Val Trp Glu Gln Lys Ser Arg Gly Val Val Met Leu Asn Arg	
100 105 110	
atc atg gag aaa ggc tgc tta aaa tgt gcc cag tat tgg cca cag aaa	503
Ile Met Glu Lys Gly Ser Leu Lys Cys Ala Gln Tyr Trp Pro Gln Lys	
115 120 125	
gaa gaa aaa gag atg gtc ttc gat gac acc aat ttg aag ctg aca ctg	551
Glu Glu Lys Glu Met Val Phe Asp Asp Thr Asn Leu Lys Leu Thr Leu	
130 135 140	
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Ile Ser Glu Asp Val Lys Ser Tyr Tyr Thr Val Arg Gln Leu Glu Leu	
145 150 155 160	
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Glu Asn Leu Ala Thr Gln Glu Ala Arg Glu Ile Leu His Phe His Tyr	
165 170 175	
acc acc tgg cct gac ttt gga gtc cct gag tca cct gcc tct ttc ctc	695
Thr Thr Trp Pro Asp Phe Gly Val Pro Glu Ser Pro Ala Ser Phe Leu	
180 185 190	
aat ttc cta ttc aaa gtc cga gag tca ggc tca ctc agc cca gag cac	743
Asn Phe Leu Phe Lys Val Arg Glu Ser Gly Ser Leu Ser Pro Glu His	
195 200 205	
ggc ccc att gtg gtc cac tgc agt gct ggc att ggc agg tca ggg acc	791
Gly Pro Ile Val Val His Cys Ser Ala Gly Ile Gly Arg Ser Gly Thr	
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ttc tgc ctg gct gac acc tgc ctc tta ctg atg gac aag agg aaa gac	839
Phe Cys Leu Ala Asp Thr Cys Leu Leu Leu Met Asp Lys Arg Lys Asp	
225 230 235 240	
cgc tcc tct gtg gac atc aag aaa gtg ctg ttg gag atg cgc agg ttc	887
Pro Ser Ser Val Asp Ile Lys Lys Val Leu Leu Glu Met Arg Arg Phe	
245 250 255	
cgc atg ggc ctc atc cag acg gcc gac caa ctg cgc ttc tcc tac ctg	935
Arg Met Gly Leu Ile Gln Thr Ala Asp Gln Leu Arg Phe Ser Tyr Leu	
260 265 270	
gct gtg atc gag ggt gca aag ttc atc atg ggc gac tcg tca gtg cag	983
Ala Val Ile Glu Gly Ala Lys Phe Ile Met Gly Asp Ser Ser Val Gln	
275 280 285	
gat cag tgg aag gag ctt tcc cat gaa gac ctg gag cct ccc cct gag	1031
Asp Gln Trp Lys Glu Leu Ser His Glu Asp Leu Glu Pro Pro Pro Glu	
290 295 300	
cac gtg ccc cca cct ccc cgg cca ccc aaa cgc aca ttg gag cct cac	1079
His Val Pro Pro Pro Pro Arg Pro Pro Lys Arg Thr Leu Glu Pro His	
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Met Glu Met

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 Tyr Gln Asp Ile Arg His Glu Ala Ser Asp Phe Pro Cys Lys Val Ala
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 Lys Leu Pro Lys Asn Lys Asn Arg Asn Arg Tyr Arg Asp Val Ser Pro
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ttt gac cac agt cgg att aaa ttg cac cag gaa gat aat gac tat atc 910
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 Thr Gln Gly Pro Leu Pro Asn Thr Cys Gly His Phe Trp Glu Met Val
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 Trp Glu Gln Lys Ser Arg Gly Val Val Met Leu Asn Arg Ile Met Glu
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 Glu Met Val Phe Asp Asp Thr Gly Leu Lys Leu Thr Leu Ile Ser Glu
 135 140 145

gat gtc aag tca tat tac aca gta cga cag ttg gag ttg gaa aac ctg 1198
 Asp Val Lys Ser Tyr Tyr Thr Val Arg Gln Leu Glu Leu Glu Asn Leu
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Pro Asp Phe Gly Val Pro Glu Ser Pro Ala Ser Phe Leu Asn Phe Leu	
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Phe Lys Val Arg Glu Ser Gly Ser Leu Ser Leu Glu His Gly Pro Ile	
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Gly Asp Glu Asp Ser Leu Ala Arg Glu Glu Gly Arg Ala Gln Ser Ser			
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Ala Met His Ser Val Ser Ser Met Ser Pro Asp Thr Glu Val Arg Arg			
360	365	370	
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Arg Met Val Gly Gly Gly Leu Gln Ser Ala Gln Ala Ser Val Pro Thr			
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Glu Glu Glu Leu Ser Ser Thr Glu Glu Glu His Lys Ala His Trp Pro			
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agt cac tgg aag ccc ttc ctg gtc aat gtg tgc atg gcc acg ctc ctg			1966
Ser His Trp Lys Pro Phe Leu Val Asn Val Cys Met Ala Thr Leu Leu			
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Ala Thr Gly Ala Tyr Leu Cys Tyr Arg Val Cys Phe His *			
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